Location ID	Attempt	Date	Sampling Coordinates				Penetration (feet)	Recovery		Within Excavation Boundary (Y/N)	Design Subgrade (feet MLLW)	Sample Start (ft)	Sample End (ft)	Sample Interval		Elevation Start (ft MLLW)	Elevation End (ft MLLW)	Sample ID	Major Sediment Lithology	Sample Type				Tier 2 Testing Rationale	Proposed Tier 3 Testing Rationale
			Easting	Northing	Longitude	Latitude		(feet)	(pct)					Below Surface (feet)	Elevation (feet MLLW)					Full suite[1]	Excavation Suite[1]	Geotech[2]	Archive	Archive Triggers	
SC-01	4	3/26/2019	1267792	212838	122° 20' 34.8" W	47° 34' 24.5" N	1.5	1.4	93	Y	-4.1	0	1	0 to 1	0.1 to -0.9	0.1	-0.9	T25-SC01A-0-1	Silt with sand, sand with silt, , grading to gravel				X		No further testing because neither core reached the Z-layer. Nearby historical surface sediment and core data can be used for excavation material characterization.	Not applicable
	5	3/26/2019	1267792	212871	122° 20' 34.8" W	47° 34' 24.8" N	2.0	2.0	100	N	NA	0	1	0 to 1	-11.5 to -12.5	-11.5	-12.5	T25-SC01B-0-1	Silty sand with shell hash				X			
												1	2	1 to 2	-12.5 to -13.5	-12.5	-13.5	T25-SC01B-1-2	Shell hash and gravel				X			
SC-02	2	3/25/2019	1267668	212812	122° 20' 36.6" W	47° 34' 24.7" N	7.5	7.0	93	Y	-7.3	0	4.6	0 to 4.6	-2.7 to -7.3	-2.7	-7.3	T25-SC02-0-4.6 T25-SC02-0-4.6 (FD)	--		X				No further testing because the Z-layer was tested and only one compound was slightly over the SVS SCO (acenaphthene at 18.8 mg/kg-OC), as agreed to with EPA during the June 11, 2019 meeting.	Not applicable
												0	1	0 to 1	-2.7 to -3.7	-2.7	-3.7	T25-SC02-0-1	Shell hash, sand, and silt				X			
												1	2	1 to 2	-3.7 to -4.7	-3.7	-4.7	T25-SC02-1-2	Shell hash, sand, and silt				X			
												2	3	2 to 3	-4.7 to -5.7	-4.7	-5.7	T25-SC02-2-3	Silty sand				X			
												3	4.6	3 to 4.6	-5.7 to -7.3	-5.7	-7.3	T25-SC02-3-4.6	Silty sand to poorly graded sand				X			
												4.6	5.6	4.6 to 5.6	-7.3 to -8.3	-7.3	-8.3	T25-SC02-4.6-5.6	Poorly graded sand	X						
												5.6	7	5.6 to 7	-8.3 to -9.7	-8.3	-9.7	T25-SC02-5.6-7	Poorly graded sand				X			
SC-03	1	3/24/2019	1267651	212756	122° 20' 36.8" W	47° 34' 23.6" N	8.0	6.8	85	Y	-6.9	0	1.7	0 to 3.7	0.6 to -3.1	0.6	-1.1	T25-SC03-0-3.7[3]	*Multiple intervals, refrrence core log*	--	X[4]	--	--		The core did not reach the Z-layer and the deepest sample interval was tested, which was below SVS (T25-SC03-3.7-6.2). Upper-most poorly graded sand interval will be tested for full suite of SVS analyses to refine vertical extent of contamination.	The next interval down will be tested for parameters that exceeded SVS screening levels (SVOCs [2,4-dimethylphenol], PAHs, PAHs, PCBs, TS, TOC) .
														0 to 1.7	0.6 to -1.1	0.6	-1.1	T25-SC03-0-1.7	Very wet Silt with sand	--	--	--	X			
												1.7	2.7	1.7 to 2.7	-1.1 to -2.1	-1.1	-2.1	T25-SC03-1.7-2.7	Sand with silt	--	--	X	X			
												2.7	3.7	2.7 to 3.7	-2.1 to -3.1	-2.1	-3.1	T25-SC03-2.7-3.7	Sand with silt	--	--	--	X			
												3.7	4.7	3.7 to 4.7	-3.1 to -4.1	-3.1	-4.1	T25-SC03-3.7-4.7	Poorly graded sand	--	--	--	X	X		
												4.7	5.7	4.7 to 5.7	-4.1 to -5.1	-4.1	-5.1	T25-SC03-4.7-5.7	Poorly graded sand	--	--	--	X	CI		
												5.7	6.2	5.7 to 6.2	-5.1 to -5.6	-5.1	-5.6	T25-SC03-5.7-6.2	Poorly graded sand	X[4]	--	--	X			
SC-04	1	3/24/2019	1267598	212603	122° 20' 37.6" W	47° 34' 22.1" N	7.9	7.2	91	Y	-5.4	0	1	0 to 4.0	-1.7 to -5.7	-1.7	-2.7	T25-SC04-0.4[4]	Silt with sand, silty sand	--	X[4]	--	X		The Z-layer was tested and had SMS exceedances. The next interval down will be tested for the parameters that exceeded SVS screening levels (mercury, SVOCs [1,2,4-trichlorobenzene], PCBs, DFs, TS, TOC).	The next interval down will be tested for parameters that exceeded SVS screening levels (PAHs, PCBs, DFs, TS, TOC).
														0 to 1	-1.7 to -2.7	-1.7	-2.7	T25-SC04-0-1	Silt with sand	--	--	--	X			
												1	2	1 to 2	-2.7 to -3.7	-2.7	-3.7	T25-SC04-1-2	Silty sand	--	--	--	X			
												2	3	2 to 3	-3.7 to -4.7	-3.7	-4.7	T25-SC04-2-3	Silty sand	--	--	X	X			
												3	4	3 to 4	-4.7 to -5.7	-4.7	-5.7	T25-SC04-3-4	Silty sand	--	--	--	X			
												4	5	4 to 5	-5.7 to -6.7	-5.7	-6.7	T25-SC04-4-5	Poorly graded sand	X	--	--	X			
												5	6	5 to 6	-6.7 to -7.7	-6.7	-7.7	T25-SC04-5-6	Poorly graded sand	--	--	--	X	X		
												5	5.6	5 to 5.6	-6.7 to -7.3	-6.7	-7.3	T25-SC04-5-5.6	Poorly graded sand	--	--	X	--			
												6	6.7	6 to 6.7	-7.7 to -8.4	-7.7	-8.4	T25-SC04-6-6.7	Silt with decomposed organics	--	--	--	X	CI		
SC-05	3	3/26/2019	1267419	212412	122° 20' 40.1" W	47° 34' 20.2" N	2.0	2.0	100	Y	-10.9	0	1	0 to 1	-13 to -14	-13	-14	T25-SC05-0-1	Silty sand	X	--	--	X		The elevation of this core was deeper than the design subgrade; however for RI characterization purposes, the next interval down will be tested for the parameters that exceeded SVS screening levels (PCBs, TS, TOC).	No more sample due to difficulty coring at this location. Refusal was hit at 2 feet due to hard surface (rock, gravel).
												1	2	1 to 2	-14 to -15	-14	-15	T25-SC05-1-2	Silty sand and sand	--	--	--	X	X		
SC-06	1	3/26/2019	1267526	212519	122° 20' 38.6" W	47° 34' 21.3" N	4.0	3.4	85	Y	-7.7	0	1	0 to 1	-6 to -7	-6	-7	T25-SC06-0-1 T25-SC06-0-1 (FD)	Silty sand	X	--	--	--		This core was just inside the excavation boundary. The sample interval that contains the Z-layer (-7.7 feet MLLW) will be tested for the parameters that exceeded SVS screening levels in the 0-1 ft interval (SVOCs [BEP, chrysene], PCBs, DFs, TS, TOC).	The next interval down will be tested for parameters that exceeded SVS screening levels (SVOCs, PAHs, PCBs, DFs, TS, TOC).
												1	1.5	1 to 1.5	-7 to -7.5	-7	-7.5	T25-SC06-1-1.5	Poorly graded sand	--	--	--	X			
												1.5	2.5	1.5 to 2.5	-7.5 to -8.5	-7.5	-8.5	T25-SC06-1.5-2.5	Organics (wood fibers)	--	--	--	X	X		
												2.5	3.3	2.5 to 3.3	-8.5 to -9.3	-8.5	-9.3	T25-SC06-2.5-3.3	Organics (wood fibers)	--	--	--	X	O		
SC-07	1	3/25/2019	1267572	212704	122° 20' 38.0" W	47° 34' 23.1" N	9.5	7.4	78	N	NA	0	1	0 to 1	-21 to -22	-21	-22	T25-SC07-0-1 T25-SC07-0-1 (FD)	Silt	X	--	--	--		This core is outside the exeavation boundary and was collected for RI characterization. Anthropogenic debris was found at 3.5 ft, so the first sample in the next lithologic layer, T25-SC07-5-6, was selected for testing. Testing will include the parameters that exceeded SVS screening levels in the 0-1 ft interval (PCBs, DFs, TS, TOC)	The next interval down will be tested for parameters that exceeded SVS screening levels (mercury, SVOCs, PAHs, PCBs, DFs, TS, TOC).
												1	2	1 to 2	-22 to -23	-22	-23	T25-SC07-1-2	Silt	--	--	X	X			
												2	3	2 to 3	-23 to -24	-23	-24	T25-SC07-2-3	Silt	--	--	--	X			
												3	4	3 to 4	-24 to -25	-24	-25	T25-SC07-3-4	Silt	--	--	--	X			
												4	5	4 to 5	-25 to -26	-25	-26	T25-SC07-4-5	Silt	--	--	--	X			
												5	6	5 to 6	-26 to -27	-26	-27	T25-SC07-5-6	Silt with decomposed organics	--	--	--	X	X		
												6	7	6 to 7	-27 to -28	-27	-28	T25-SC07-6-7	Silt with decomposed organics	--	--	--	X	O		

SC-08	1	3/25/2019	1267625	212882	122° 20' 37.3" W	47° 34' 24.9" N	12.0	10.6	88	N	NA	0	1	0 to 1	-22.5 to -23.5	-22.5	-23.5	T25-SC08-0-1	Silt	X	--	--	--		This core is outside the excavation boundary and was collected for RI characterization. The entire core is silt, and hydrocarbon-like odor was observed at 6 ft. The first interval below the odor, T25-SC08-7-8, was selected for testing. Testing will be include the parameters that exceeded SMS screening levels in the 0-1 ft interval (SVOCs [PAHs], PCBs, DFs, TS, TOC).	The next interval down will be tested for parameters that exceeded SMS screening levels (SVOCs, PAHs, PCBs, DFs, TS, TOC).
												1	2	1 to 2	-23.5 to -24.5	-23.5	-24.5	T25-SC08-1-2	Silt	--	--	--	X			
												2	3	2 to 3	-24.5 to -25.5	-24.5	-25.5	T25-SC08-2-3	Silt	--	--	--	X			
												3	4	3 to 4	-25.5 to -26.5	-25.5	-26.5	T25-SC08-3-4	Silt	--	--	--	X			
												4	5	4 to 5	-26.5 to -27.5	-26.5	-27.5	T25-SC08-4-5	Silt	--	--	--	X			
												5	6	5 to 6	-27.5 to -28.5	-27.5	-28.5	T25-SC08-5-6	Silt	--	--	--	X			
												6	7	6 to 7	-28.5 to -29.5	-28.5	-29.5	T25-SC08-6-7	Silt	--	--	--	X			
												7	8	7 to 8	-29.5 to -30.5	-29.5	-30.5	T25-SC08-7-8	Silt	--	--	--	X	X		
												8	9	8 to 9	-30.5 to -31.5	-30.5	-31.5	T25-SC08-8-9	Silt	--	--	--	X	O		
												9	10	9 to 10	-31.5 to -32.5	-31.5	-32.5	T25-SC08-9-10	Silt	--	--	--	X			
SC-09[1]	5[1]	3/24/2019	1267739	212899	122° 20' 35.6" W	47° 34' 25.1" N	2.7	1.5	56	N	NA	0	1	0 to 1	-30.9 to -31.9	-30.9	-31.9	T25-SC09-0-1	Silt	--	--	--	X		This core is outside the excavation boundary and was collected for RI characterization. The entire core is silt. Because of the similar lithology, T25-SC093-2-3, was selected for testing. Testing will include the parameters that exceeded SMS screening levels in the 0-1 ft interval (mercury, SVOCs [PAHs], DFs, TS, TOC)	The next interval down will be tested for parameters that exceeded SMS screening levels (mercury, PAHs, TS, TOC)
												1	1.5	1 to 1.5	-31.9 to -32.4	-31.9	-32.4	T25-SC09-1-1.5	Silt	--	--	--	X			
	6[1]	3/26/2019	1267749	212874	122° 20' 35.4" W	47° 34' 24.8" N	5.0	4.4	88	N	NA	0	1	0 to 1	-13.8 to -14.8	-13.8	-14.8	T25-SC093-0-1	Silt	X	--	--	--			
												1	2	1 to 2	-14.8 to -15.8	-14.8	-15.8	T25-SC093-1-2 T25-SC093-1-2 (FD)	Silt	--	--	--	X			
												2	3	2 to 3	-15.8 to -16.8	-15.8	-16.8	T25-SC093-2-3	Silt	--	--	--	X	X		
												3	4	3 to 4	-16.8 to -17.8	-16.8	-17.8	T25-SC093-3-4	Silt	--	--	--	X	O		

Notes:
X = Triggered in July 2019
O = Proposed Tier 3 Trigger
a. Grain size, TS/TOC, metals, SVOCs, PAHs, Total PCB Aroclors, and dioxins/furans
b. TCLP metals, SVOCs, PAHs, PCBs, and TS
c. Grain size, atterberg limits, moisture content, and specific gravity
d. Lab-generated composite using equal amount of sediment from individual interval archives
e. Insufficient volume for grain size analysis
f. The 5th attempt at location SC-09 was accepted on 3/26/2019 with 58% recovery and samples were archived. An additional 6th attempt was made on 3/26/2019 with improved recovered depth and percent recovery, which replaced the original samples collected.
MLLW: mean lower low water
PAH: polycyclic aromatic hydrocarbon
PCB: polychlorinated biphenyl
SVOC: semi-volatile organic carbon
TOC: total organic carbon
TS: total solids

Cell: R19
Comment: [Threaded comment]

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Comment:
not hitting design elevation at deepest interval

Cell: Q24
Comment: [Threaded comment]

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Comment:
This interval hits design subgrade
Reply:
I think we should do the next interval.

Cell: Q29
Comment: [Threaded comment]

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Comment:
shallowest sample is below subgrade? speaks to poor bathy or changes since last survey

Elevation Start (ft MLLW)	Elevation End (ft MLLW)	Sample ID	Sample Archive Testing Parameters
-3.1	-4.1	T25-SC03-3.7-4.7	Metals, mercury, SMS SVOCs, PCBs, DFs, TS, TOC.
-6.7	-7.7	T25-SC04-5-6	Mercury, SMS SVOCs, PCBs, DFs, TS, TOC.
-14	-15	T25-SC05-1-2	PCBs, TS, TOC.
-7.5	-8.5	T25-SC06-1.5-2.5	SMS SVOCs, PCBs, DFs, TS, TOC.
-26	-27	T25-SC07-5-6	PCBs, DFs, TS, TOC.
-29.5	-30.5	T25-SC08-7-8	SMS SVOCs, PCBs, DFs, TS, TOC.
-15.8	-16.8	T25-SC09B-2-3	Mercury, SMS SVOCs, DFs, TS, TOC.
		T25-SB03-14.2-16.2	PCBs, TS